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**DIGITAL SINE/COSINE WAVE GENERATOR****Abstract of the Disclosure**

A digital sine/cosine wave generator generates discrete values representative of either a  
5 sine wave or a cosine wave. The digital sine/cosine wave generator generates sine and/or  
cosine waves by implementing a difference equation of the form  $y(n) = b*y(n-2) - y(n-1)$ .  
One of the initial conditions of the difference equation is selected from a series of values  
generated by a coefficient generator. The frequency of the sine and/or cosine wave generated  
by the sine/cosine wave generator is dependent on, and may be selected according to, which of  
10 the series of values generated by a coefficient generator is chosen as an initial condition of the  
difference equation.